

AK-400 Hycycle® Wall Saw.
Features and Specifications.

Specifications

- Motor: 25hp-400Hz; available in 208V and 416V models.
- Spindle speed: 1350 rpm. With gear reducers: 900-675-600-450-300-225-175 rpm.
- Output torque: Range from 97 lb-ft @ 1350 rpm to 750 lb-ft @ 175 rpm.
- Blade capacity: 84" maximum diameter.
- 360-degree radial arm clears 32" blade out of the cut.
- 30" blade cuts 12-1/4" deep.
- Output shaft: 1" arbor.
- Power cord range: Maximum distance from power supply to inverter – 800 ft.; inverter to wall saw – 50 ft. Remote control cord: 50 ft.
- Weight: Carriage - 77 lbs. Motor - 44 lbs. Inverter - 56 lbs. Track - 5.75 lbs/ft
- Generator requirements: 30kW-60Hz (minimum).
- Panel power requirement: 480V-30Amp or 220V-60Amp (minimum).

Performance and Versatility

- Quick-attach gear reducers transform this 1-Speed saw into an 8-Speed saw with a blade diameter range from 18" – 84".
- Wall saw can operate hundreds of feet from power supply with no visible loss in power.
- One power cord runs the 25hp motor and both feed motors, eliminating the need for multiple power cords.
- Bi-directional blade rotation gives operator control of slurry spray.
- Able to cut off of both sides of the track.
- Boot adapters available for cutting stairs or pipe.

Ease of Use

- Load-sensing auto feed self-regulates the travel speed at all times to optimize cutting performance and reduce operator fatigue.
- Electronic overload protection automatically regulates shut down.
- Self-leveling, full-coverage blade guards enhance remote operation and reduce clean-up.
- Layout tool simplifies anchor layout and track set-up.
- Track-mounting boots allow for easy interconnection of multiple tracks.
- One-piece carriage, with quick-attach 25hp motor, mounts anywhere on track.
- Compact inverter can be lifted off of transportation cart and hand-carried.
- Transportation cart doubles as a pressure washer for easy clean up.

Safety

- Extensive safety features are incorporated into the electronics.
- All components are tied to the safety grounding wire.
- Saw cannot be powered up unless the blade motor and feed motor switches are in the off positions.
- Kill switch at remote stops power at inverter; no current at saw head when operator is handling saw.
- Output power cord is wrapped in spiral wrap for added protection.
- Clean electric power eliminates the oil spills risks that accompany hydraulic-powered saws.

Minimizing Down Time

- Operator can remove either feed motor and convert the saw to manual feed - in the field.
- Operator can replace interchangeable feed motors – in the field.
- Operator can replace power connectors – in the field.

- Freeze plugs are incorporated into the 25hp water-cooled motor to help prevent damage in freezing conditions. Operator can replace freeze plugs – in the field.
- Routine maintenance is essential in minimizing down time. Most critical of all is replacing the bearings, seals and oil in the 25hp hycycle[®] motor. Daily use: Service every 4-6 months. Intermittent use: Service every 12 months.

Quality-Made Components

- Quick-attach gear reducers' internal gears come with a life-time warranty against breakage and wear.
- All aluminum components are machined from aircraft-grade billet for strength.
- Blade shaft incorporates a #35-3 triple-chain drive with self-adjusting tensioners.
- Hardened-steel carriage rollers squeeze the track and require no adjustment.

Service Advantage

- Made in the U.S.A. by Diamond Tech, Inc.
- DTI machines and inventories all components, including housings, shafts and gears, at its Rocklin, California manufacturing facility. DTI provides maintenance and repair service for all of its products.

Most Common Accessories

<u>Part no.</u>	<u>Price</u>	<u>Description</u>
M-608	\$1,400	8ft track
M-612	\$2,100	12ft track
M-555	\$ 275	Single track-mounting boot
M-556	\$ 375	Double track-mounting boot
M-545	\$ 190	Flush cut hub
M-621	\$ 800	32" flush cut blade guard
M-617	\$1,300	42" blade guard
M-501	\$1,500	1.5 : 1 gearbox reduction

AK-400 Modular Product Line

<u>Part no.</u>	<u>Price</u>	<u>Description</u>
CS-1C	\$5,530	Hycycle [®] Chain Saw, 5hp model
HD-1AK	\$5,950	Hycycle [®] Core Drill, 4-Speed gearbox, 25hp model
FS-1AK	\$3,850	Hycycle [®] Push Saw, 25hp model
FS-2AK	\$9,500	Hycycle [®] Flat Saw, 25hp self-propelled model, CC2500 conversion
WI-1AK	\$21,000	Hycycle [®] Wire Saw, 25hp model, SK-B conversion
G4-1AK	\$19,950	30kW Diesel-powered 60Hz Generator, 480V model
G2-1AK	\$19,950	30kW Diesel-powered 60Hz Generator, 220V model

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